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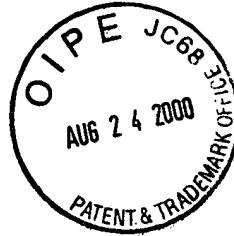
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PATENT, TRADEMARK AND COPYRIGHT LAW
AND RELATED FEDERAL AND ITC LITIGATION



Docket: 0039-6344-2

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

RE: Patent No: 5,936,577
Serial No: 08/953,666
Applicant: HIROKI SHOKI, ET AL.
Title: ADAPTIVE ANTENNA

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CERTIFICATE

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JAPANESE PATENT ATTORNEY

REGISTERED PATENT AGENT

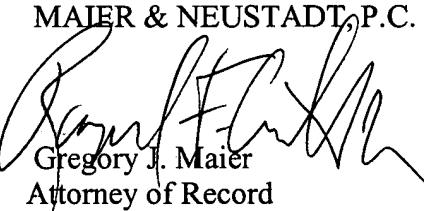
Attached hereto for filing are the following papers:

**REQUEST FOR CERTIFICATE OF CORRECTION, PTO FORM 1050
CERTIFICATE OF CORRECTION-PTO FORM 1050 (in duplicate)**

Our check in the amount of \$100.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND
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APPROVED

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FOR THE DIRECTOR OF USPTO

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

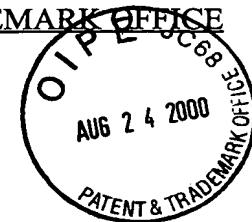
IN RE PATENT OF:

HIROKI SHOKI, ET AL. : BATCH: P98

PATENT NO: 5,936,577 : SERIAL NO.: 08/953,666

ISSUED: AUGUST 10, 1999 : EXAMINER: HELLNER, M.

FOR: ADAPTIVE ANTENNA



REQUEST FOR CERTIFICATE OF CORRECTION

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, DC 20231

SIR:

The following is a request for a certificate of correction in Serial Number 08/953,666,
now Patent Number 5,936,577.

A certificate of correction under 35 USC 254 and 35 USC 255 is respectfully
requested in the above-identified patent.

While many of the errors are the fault of the Patent Office, and some are ascribable to
Applicants, and accordingly, a check for \$100.00 is submitted to cover those, 35 USC 255
and 37 CFR 1.323. The errors ascribable to Applicants are minor and their correction would

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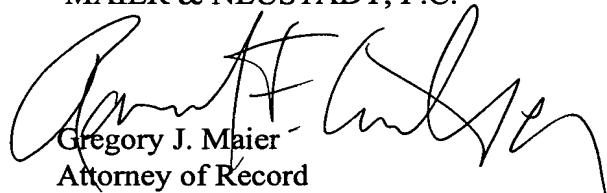
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not entail re-examination or constitute new matter. They are all readily apparent from the context of the specification. The requested corrections are attached on FORM P.T.O. 1050.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,936,577

DATED : AUGUST 10, 1999

INVENTOR(S): HIROKI SHOKI, ET AL.

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 4, line 36, change "planer" to --planar--

Column 8, line 66, after "direction" insert --and width--.

Column 9, line 24, change "width" to --widths--.

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Patent No. 5,936,577

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